
 ASAM	List of Known Issues		
	Standard	ASAM ODS	Version


ID 3378	Title	Query result type in case of COUNT, DCOUNT, etc.
	Description	In case a query is set up with an AggrFunc other than NONE and DISTINCT, it is not specified which datatype is used in the value sequence for the results returned.
ID 3485	Title	Required Rights to Set Relations
	Description	Chapter 3.9.4 BASIC ACCESS RIGHTS specifies rules for setting relations: "To set a 1:n relation from one instance to another instance, a Read-right is required for the instance on the n-side and an Update- (plus Read-) right is required for the instance on the 1-side. To set a n:m relation from one instance to another instance, an Update- (plus Read-) right is required for both instances." For the 1:n relation, this is valid only for INFO relations. The FATHER_CHILD relation has been defined in an earlier section of the standard and is different to INFO. The remark shall be added that this only implies to INFO relations.
ID 3512	Title	The Use of '-' Versus '_' in the AS NVH is Ambiguous
	Description	The MIME type suffix "parameterset_at_parent" appears two times in the ASAM ODS associate standard "NVH Model" in chapter 3.3.1.1 and 17 times in the ASAM ODS base standard at chapter 10, while for the same purpose the MIME type suffix "parameterset-at-parent" appears three times in the ASAM ODS associate standard "NVH Model" in chapter 3.3.1.2, Fig. 5, Fig. 6, Fig. 7 (2x), Fig. 13 and Fig. 14. It will be clarified which of the notations is the correct one.
ID 3556	Title	'DS_... datatypes' Not Allowed as Value of 'datatype' in AoMeasurementQuantity
	Description	In chapter 9.2.2.2 THE DATA TYPES ENCODING IN THE COLUMN ADTYPE, remove sentence "The value of the data type is identical to the value of the attribute 'datatype' in 'AoMeasurementQuantity' and 'default_datatype' in 'AoQuantity'." There is actually a difference between the datatype of the attribute and the datatype at AoMeasurementQuantity. The DS* are not allowed at AoMeasurementQuantity.
ID 3727	Title	Response Code of 'transaction-create'
	Description	There is a mismatch in chapter 11.2.3.1 START TRANSACTION in the specification of the response code of POST {baseURI}/ods/{conI}/transaction-create. "In case the ODS server successfully completes the request the response will include a response code 201, and the response body will be empty."

	<p>This does not match with the rule, which is specified a bit further in the chapter:</p> <p>"The ODS server will return a response code 200 if the transaction could be started for the client."</p> <p>It is recommended to use response code 200.</p>
ID 3728	Title Response of 'model-check'
	Description For the command POST {baseURI}/ods/{conI}/model-check in chapter 11.2.4.4 CHECK APPLICATION MODEL, the response is wrong. The current definition is: "This method adheres to the following rules: <ul style="list-style-type: none"> • In case the ODS server determines that the application model is valid the response will include a response code 200. • In case the ODS server determines that the application model is invalid the response will include a response code 400. • The response body will be empty in both cases." For code 200, an empty body is correct. For code 400, the body must actually be the message "ErrorInfo" to inform the client: <ul style="list-style-type: none"> • which problem the model has, • about any other problem of the server.
ID 3730	Title Datatype in Message ContextVariableValue
	Description In chapter 11.5.3.37 CONTEXTVARIABLEVALUE, the message ContextVariableValue provides a list of datatypes in the description for each message element. This is misleading, as they actually do not have such datatypes. It is recommended to ignore the datatypes in the description-column.
ID 3731	Title Error in Comment at 'data_type' of Message 'Column'
	Description In chapter 11.5.3.10 COLUMN, table 26, the description for 'data_type' is wrong: "must exactly match the datatype (of the attribute) in the application model; ValuesOneOf must be filled accordingly. Note: For bulk data, this will be DT_UNKNOWN." The same comment also exist in the Protobuf definition file "ods.proto". In case 'aggregate' is COUNT or DCOUNT, then 'data_type' can not be the datatype of the attribute.
ID 3736	Title Error in Comment of 'data_type' in UnknownArray within Column of DataMatrix
	Description In chapter 11.5.3.11 UNKNOWNARRAY, table 27, the description for 'data_type' says:


	List of Known Issues		
	Standard	ASAM ODS	Version

	<p>"must exactly match the datatype in the application model; UnknownOneOf must be filled accordingly"</p> <p>The same comment also exist in the Protobuf definition file "ods.proto".</p> <p>The comment for 'data_type' is wrong. 'data_type' does not represent the datatype in the application model but the datatype of the values which is the datatype given for AoMeasurementQuantity in case the 'sequence_representation' of 'localcolumn' is 'explicit', 'implicit*' or 'external_component', otherwise the datatype is given by 'raw_datatype' of 'AoLocalColumn'.</p>
ID	Title
3738	Removing All Session-Specific Initial Rights (ACL Templates)
	Description
	<p>In case the client removes all set session specific initial rights, the client will have to remember all initial rights or will have to remove all possible combinations. This would be a clarification for chapter 11.3.1.3 SUBMIT SESSION-SPECIFIC TEMPLATES.</p> <p>The likely changes in a future version would be:</p> <p>ADD shall no longer be used; otherwise the server will show an error response.</p> <p>SET shall require to deliver the complete list of session specific templates.</p> <p>If SET is accompanied by an empty list, the rights for all instances created within the session from now on will be 0 (thus they will only be accessible by a superuser).</p>
ID	Title
3739	Meaning of 'aid' and 'ref_aid' in Session-Specific Templates
	Description
	<p>The specification and usage of 'aid' and 'ref_aid' in session-specific templates differs between chapter 3 and chapter 5 on the one hand, and the new chapter 11 on the other hand.</p> <p>Chapter 11.3.1.3 SUBMIT SESSION-SPECIFIC TEMPLATES requires a more clear specification, which is in line with the former APIs. The chapter will probably be updated with the following text:</p> <p>"The fields 'aaName', 'iid', and 'aid' will be ignored by the ODS server. If the aid of a newly created instance matches the 'ref_aid' of the session-specific templates submitted before, each of those matching templates will be used to create a corresponding ACL-entry and attach it to the instance. If 'ref_aid' in a session-specific template is 0 (e.g. the default value has been submitted), every newly created instance will determine a match of that template with its aid."</p>
ID	Title
3740	Context Variables of ODS-Servers with HTTP-API
	Description
	<p>The current HTTP-API specifies reading and writing of context variables. However, it is not specified, which of the context variables are supported by the ODS server.</p> <p>The other API chapters of ASAM ODS, which are chapter 5 (OO-API) and 6 (RPC-API), have tables of supported context variables. For the purpose of consistency, chapter 11 (HTTP-API) should also have a table of context variables supported by the HTTP-API.</p>

	In a future version of ODS, it is likely that the standard requires to support all context variables that are already supported by the OO-API.
ID 3755	Title
	ValueMatrix Request Structure: 'name' Vs. 'id'
	Description
	<p>There is a contradiction in chapter 11.2.2.3 READ VALUE MATRIX and chapter 11.5.3.34 VALUEMATRIXREQUESTSTRUCT.</p> <p>Chapter 11.2.2.3 READ VALUE MATRIX says: "The 'attributes' field may only contain one or more of the attributes derived from 'id' (required) combined with 'values', 'flags' and/or 'generation_parameters'."</p> <p>Chapter 11.5.3.34 VALUEMATRIXREQUESTSTRUCT defines in table 50 for 'attributes': "Only: 'name', 'values', 'flags', 'generation_parameters'" which is a contradiction to chapter 11.2.2.3.</p>
ID 3758	Title
	Response Format for Reading the Base Model
	Description
	<p>In chapter 11.2.4.3 MODIFY AND EXTEND MODEL, the following comment is wrong: "Instead of the normative EXPRESS specification the more informative XML version is returned." The server does not return XML but a protobuf message, which is comparable with XML.</p>
ID 3759	Title
	Changing the Base Element Type of an Application Element
	Description
	<p>In chapter 11.2.4.3 MODIFY AND EXTEND MODEL, the following requirement is given: "It is not allowed to change the 'base_name' of an application element. Any such attempt will result in an error response of the ODS server." It is required to be able to change the base_name of any element. In case a hierarchy level is added or removed at AoUnitUnderTest, then an existing element can change from AoUnitUnderTestPart to AoUnitUnderTest or the other way around. It is likely that ODS will allow to change the base names of attributes and relations in a future version. The same would apply to changing the base element type.</p>
ID 3760	Title
	ID is Not Submitted with a Relation
	Description
	<p>There is a mistake in chapter 11.2.4.3 MODIFY AND EXTEND MODEL in the comment how to identify a 'Relation' at the element. The original text in the standard says: "For some use cases an already existing application relation must be uniquely identified within an application element. This can be done either by setting 'name' in 'Relation' (to the name of the existing application relation) or for most</p>

 ASAM	List of Known Issues		
	Standard	ASAM ODS	Version

	<p>based application relations by setting 'id' in 'Relation' (to the identifier of the existing application relation (which is 'attrnr' in the physical storage)).</p> <p>If 'name' is empty and 'id' does not match the identifier of any existing application relation, the ODS server will return an error response. If 'name' does not match the name of any existing application relation and 'id' is empty, the ODS server assumes a new application relation shall be created."</p> <p>The 'id' is not member of 'Relation'. The name of the relation is unique at an element. In case the name isn't found, then the target element (entity_name or entity_aid) with the inverse_name can point to the correct relation.</p>
ID	Title
3761	Response Code of Method File-Access
	Description
	The response code should be 201 instead of 200, if a file-URI is returned by the ODS server.
ID	Title
3762	Transport of Instance Attributes over the HTTP-API
	Description
	It is not yet specified how instance attributes will be submitted in the commands:
	<ul style="list-style-type: none"> • POST {baseURI}/ods/{conI}/data-read • POST {baseURI}/ods/{conI}/data-update • POST {baseURI}/ods/{conI}/data-delete
ID	Title
	Description

 ASAM	List of Known Issues		
	Standard	ASAM ODS	Version

About This Document

This document lists known issues for the standard and version as identified in the document header. Issues in the context of ASAM standards have one of the following characteristics:

- Error: unintended or wrong content.
- Contradiction: inconsistent or contradictory content.
- Specification gap: missing content required for a functional system and for complete understanding.
- Lack of clarity: Unclear, vague or ambiguous description, which leads to misunderstandings and misinterpretations.

The issue may exist in the base standard, in associate standards, schema files, interface definition files, model files, examples or any other supplements of the standard.

For each issue, the table contains an ID, title and description.

ID: Unique identification number assigned by the ASAM change request system.

Title: Summary of the issue description in headline style.

Description: Identifies the parts of the standard that are affected by the issue, provides a reason why this is considered as an issue and allows the reader to understand the technical implications of the issue. Optionally, the description includes a resolution proposal and a proposed workaround for the issue.

Issues are resolved in the release of a new version of a standard. Please regularly check ASAM's web page and news publications to stay informed about new versions. If an issue has been resolved in a new version, then it is not listed in the List of Known Issues document for this version any longer.

The List of Known Issues document for former versions of the same standard will be frozen and will not be further maintained. ASAM advises all users of its standards to always use the latest version of its standards.